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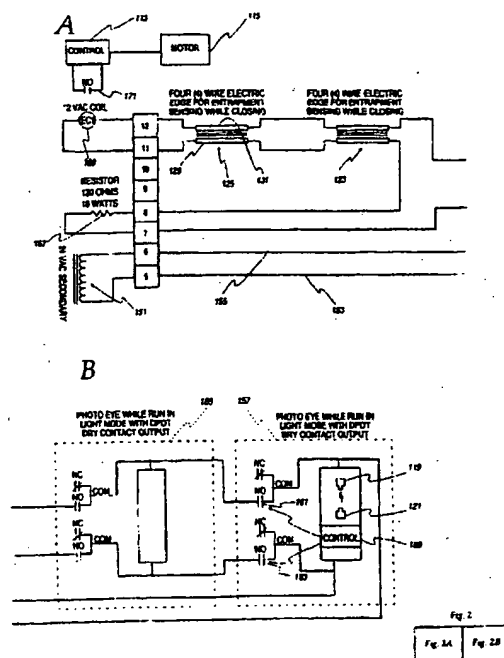
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(54) Abstract Title: **Movable barrier safety control**

(57) Methods and apparatus for detecting obstructions in the path of a movable barrier are disclosed. Embodiments are included which advantageously combine edge sensing contact detectors (125, 123) and non-contact detectors such as photo eye detectors (165, 157). Relay logic (169) is also described for controlling the response of a movable barrier operator to input signals including input signals from contact type and non-contact obstruction detectors (165, 157).



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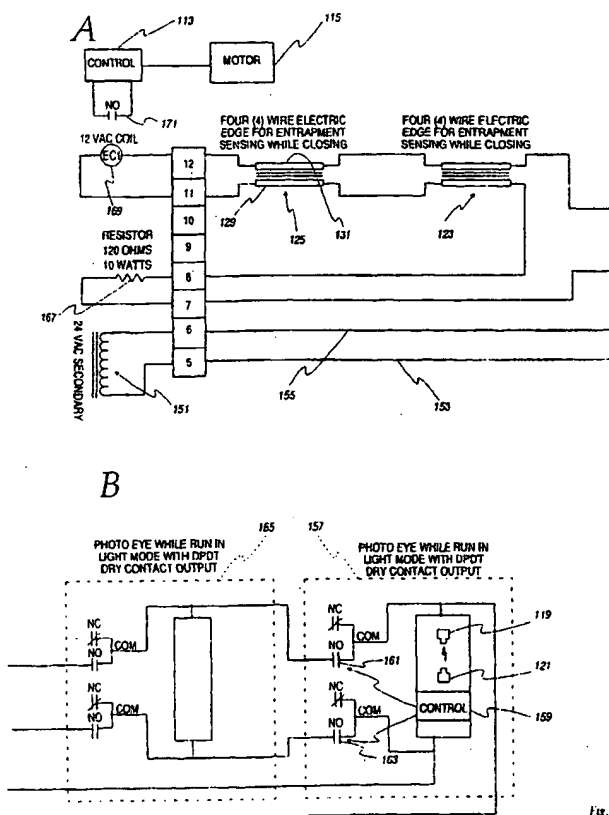
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(54) Title: **MOVABLE BARRIER SAFETY CONTROL**



(57) Abstract: Methods and apparatus for detecting obstructions in the path of a movable barrier are disclosed. Embodiments are included which advantageously combine edge sensing contact detectors (125, 123) and non-contact detectors such as photo eye detectors (165, 157). Relay logic (169) is also described for controlling the response of a movable barrier operator to input signals including input signals from contact type and non-contact obstruction detectors (165, 157).

Fig. 2

Fig. 2A Fig. 2B



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## B. FIELDS SEARCHED

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
NONE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,P	US 6,388,412 B1 (REED) 14 May 2002 (14.05.2002) see entire document.	1-19

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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